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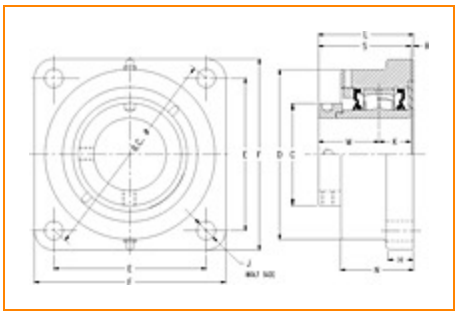
Part Number QMF11J203S, Eccentric Four Bolt Square Flange Block



Specifications | Dimensions | Radial and Thrust Factors | Engineering Seal Speed | Engineering Bearing Attributes | Engineering Internal Radial Clearance

Specifications

Engineering Group	Mounted Bearing
Bearing Number	22211
Shaft Size	2 3/16 in
Shaft Size Type	Imperial
Full Timken Part Number	QMF11J203SB QMF11J203SC QMF11J203SEB QMF11J203SEC QMF11J203SEM QMF11J203SEN QMF11J203SEO QMF11J203SET QMF11J203SM QMF11J203SMSLA QMF11J203SN

	QMF11J203SO QMF11J203ST
Locking Style	Eccentric
Housing Construction	Four-Bolt Square Flange
UPC Code	0883450066327 0883450066334 0883450066358 0883450066365 0883450066372 0883450066389 0883450066396 0883450066402 0883450161589 0883450162265 0883450254328 0883450254809 0883450953788

Dimensions

Dimension BC	6.89 in 175 mm
Dimension C	2.99 in 75.9 mm
Dimension D	5.13 in 130.3 mm
Dimension E	4.88 in 124 mm
Dimension F	6.19 in 157.2 mm
Dimension H	1 in 25.4 mm
Dimension J (Bolt Size)	0.625 in 16 mm

Dimension K	1.13 in 28.7 mm
Dimension L Exp	3.34 in 84.8 mm
Dimension L Fix	3.26 in 82.8 mm
Dimension M	1.99 in 50.5 mm
Dimension N	2.63 in 66.8 mm
Dimension R	0.13 in 3.3 mm
Dimension S	3.12 in 79.2 mm

Radial and Thrust Factors

C0 - Static Load	31900 lbf 142000 N
C - Dynamic Load (Basic)	31400 lbf 140000 N
e - Geometry Factor	0.25
Y1 - Geometry Factor	2.74
Y2 - Geometry Factor	4.08

Engineering Seal Speed

Oil Lubrication - M/N Seal	2200 rpm
Oil Lubrication - T Seal	3800 rpm
Oil Lubrication - B/C/O Seal	1600 rpm

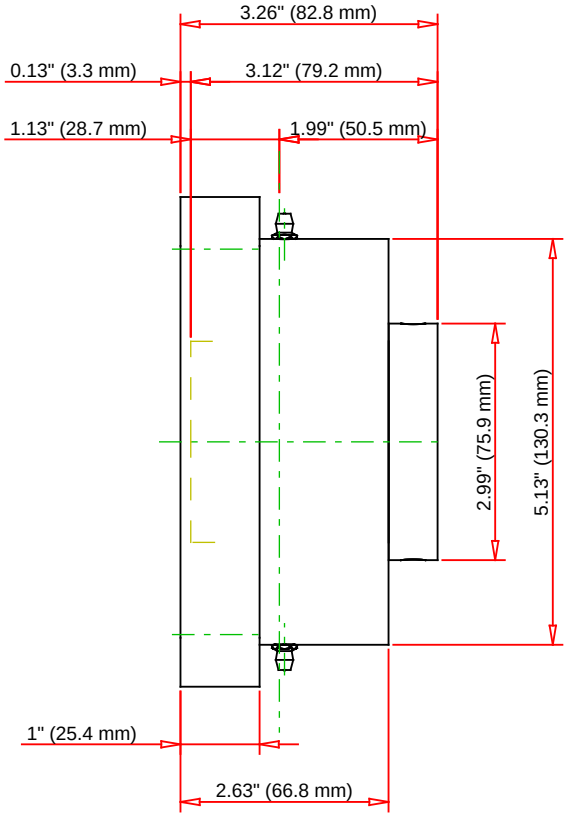
Grease Lubrication - M/N Seal	2200 rpm
Grease Lubrication - T Seal	3200 rpm
Grease Lubrication - B/C/O Seal	1600 rpm

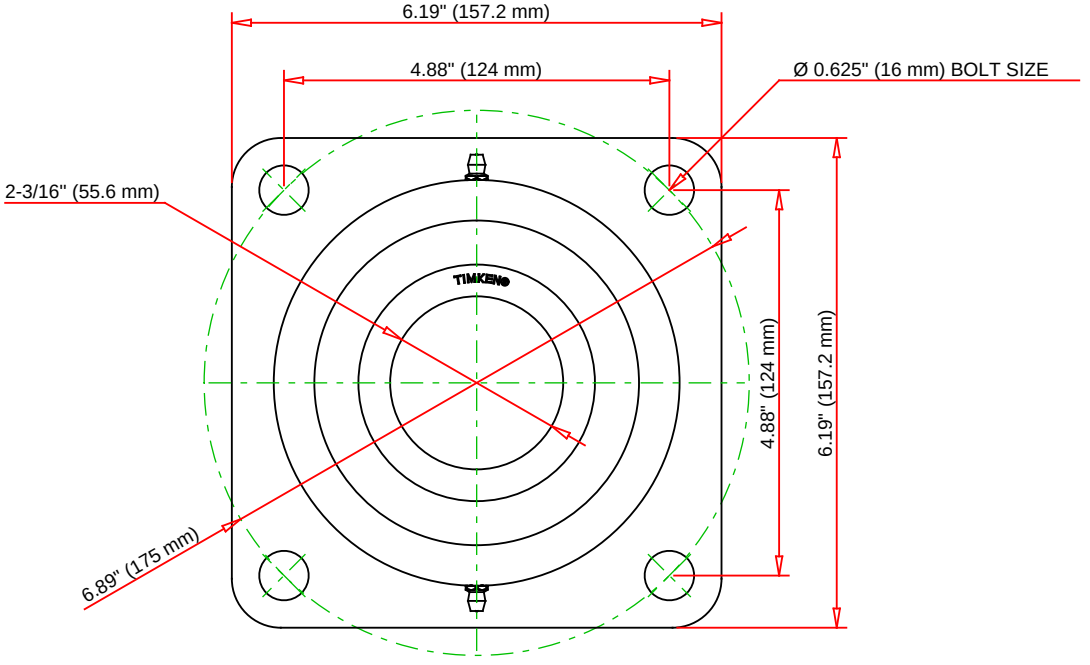
Engineering Bearing Attributes

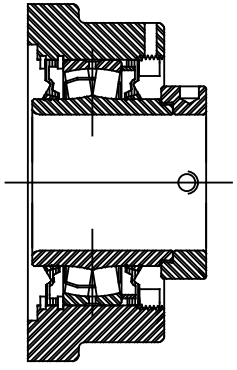
Float	0.050 in 1.270 mm
Shaft Tolerance	0.0015 in 0.038 mm

Engineering Internal Radial Clearance

Eng Internal Radial Clearance - Min	0.0016
Eng Internal Radial Clearance - Max	0.0026
Pre Install Clearance Min	0.0016 in 0.040 mm
Pre Install Clearance Max	0.0026 in 0.065 mm







Note: Section View not to Scale

C - Dynamic Load	31400	lbf	140000	N	
C0 - Static Load	31900	lbf	142000	N	
Weight	14	lb	6.4	kg	
Max. Speed T-Seals & Grease	3200	rpm			
Rad. Clearance - Max.	0.0026				

TIMKEN

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NORTH CANTON, OHIO USA

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FOR DISCUSSION ONLY